BOOK

...adth 5	Depth 6	Contents 7	Reference to last Measurement 8

I st And final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184925

Esti cost Rs-30-00 lakhs

...al No. Drilling of borewell and providing pump & motor at Agrahara Extn Agrahara Layout Kogilu layout Sri Ramapura and Basava-linga
...e of work Agrahara Layout From Kogilu layout To Sri Ramapura and Basava-lingappa Nagara in ward NO-05 Byatarayapura
...e of Contractor of nature of Agency ...
...of commencement of work Sub-division

...e	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Agency :- M/S KRIDL East-park Road Malleshwaram Bangalore -03						
	work code :- 005-14-000036						
	work order No. EE/BTP/KRIDL/W-O./374/2013-14						
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation Either through hand pump MWS or PWSS by vertical Electrical sounding by adopting vernier or Screw river gauge method including reconnaissance						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Survey of geological formation Geological investigation of Existing ground water in vicinity of quality quantity and acceptability of the existing Indicating location of site Recommended depth of casing pipe Recommended seal the top your consolidated formation including an Extra depth of 1.0 meter in consolidated formation of proper grading of casing pipe depth of aquifer proposed to be tapped probable yield and other information Ex completed						
	1) Basavalingappa Nagar near police quarters	1	—	—	—	1	

M. A. R. 57 (Ru

Measurement

...al No. ....

...ne of work .... From ....

...ne of Contractor of nature of Agency..

...e of commencement of work...

...te	Full description, etc, of work	Dimen...	
		Number	Length
	2	3	4
2)	Kogilu layout Nagara	1	—
3)	Agrahara main Road opposite to MN apartment	1	—
4)	Manjunatha layout Kattigenahalli (munichinnappa)	1	—
	Rate 1938.46		
	Cj 6/3/14		
2)	Sinking of bore wells of 6.5" by hydraulic rig of capacity 2...		

Assistant Exec... Byatarayanapura...

...EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...nalith Geological ground water in vicinity ... upatabity of the existing ...ide Recommended depth of seal the TOI year consolidated Extra depth of 1.0 meter in proper grading of casing pipe ...o be tapped average yield ...k completed				
—	—	—	1	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184926

...l No. ....
...e of work .... From .... To ....
...e of Contractor of nature of Agency...
...of commencement of work...

Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Kogilu layout Nagara	1	—	—	—	1	
Agranara main Road opposit to MN appartment	1	—	—	—	1	
Manjunatha layout Kattigenahalli (Munishwara temple)	1	—	—	—	1	
Rate 1938.46 Cjr 6/3/14					4 No	Rs = 7753.84
Sinking of bore wells of 6½" dia clear casing super fast hydrolic rig of capacity 200 PSI and above 900 CMF						

(Signature) 6/3/14
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

MEASUREMENT BOOK

1)
2)

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and above in all Strata including over burden up to 20 mt fixing the casing pipes collars and cap with necessary cutting threading and welding including transporting of rig and supporting vertical crew charges of cost of consumables etc complete including cited settings of the final depth with minimum working of compressor for one hour (excluding cost of casing pipes collar cap etc)						
	1) Basavalingappa Nagar (near police quarters) 0-00 to 50.00 mt	1	50-00	-	-	50-00	

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Measure…

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…me of work …………………… From ……
…me of Contractor or nature of Agency……………
…e of commencement of work……………

…te	Full description, etc, of work 2	Number 3	Len… 4
	2) Kogilu layout 0-00 to 50.00	1	50…
	3) Agrahara - Layout main road opposite [illegible] 0-00 to 50-00	1	50-…
	4) Munneshwara layout (Kattigenahalli) 0-00 to 50-00	1	50-…
	Rate = 315-18		
	3) 50 to 1000 mtr		
	1)	1	50-…

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
…g over burden up … rollers and cap … and welding … supporting vertical … the complete … depth will … for one hour … roller cap etc)			
	-	50-00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184927

…ial No. ....

…me of work .... From .... To ....

…me of Contractor of nature of Agency..

…e of commencement of work..

…te	Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	2) Kogilu layout 0-00 to 50-00	1	50-00	-	-	50-00	
	3) Agrahara ~~layout~~ main road opposite MS Restaurant 0-00 to 50-00	1	50-00	-	-	50-00	
	4) Muneshwara layout (Kattigenahalli) 0-00 to 50-00	1	50-00	-	-	50-00	
	Rate = 315-18					200-00 rmt	63036=00
	3) 50 to 100 mtr						
	1)	1	50-00	-	-	50-00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2)	1	50.00	–	–	50.00	
	3)	1	50.00	–	–	50.00	
	4)	1	50.00	–	–	50.00	
						200.00 mtr	
	Rate :- 412.00					Rs 82400=00	
4)	100 to 150.00 mtr						
	1)	1	50.00	–	–	50.00	
	2)	1	50.00	–	–	50.00	
	3)	1	50.00	–	–	50.00	
	4)	1	50.00	–	–	50.00	
						200.00 mtr	
	Rate :- ~~458.35~~					Rs 91670=00	

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of commencement of work.....

e	Full description, etc, of work	Numb
	2	3
5)	150 to 200.00 mtr	
	1)	1
	2)	1
	3)	1
	4)	1
	Rate :- 484.10	
6)	200.00 to 250.00 mtr	
	1)	1
	2)	1

BOOK

ions		Contents	Reference to last Measurem
Breadth 5	Depth 6	7	8
"	—	50.00	
"	—	50.00	
"	—	50.00	
		200.00 mtr	
		@ = 82400=00	
"	—	50.00	
"	—	50.00	
"	—	50.00	
"	—	50.00	
		200.00 mtr	
		@ 91670=00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184928

al No. .....

e of work ..... From ..... To .....

e of Contractor of nature of Agency.....

of commencement of work.....

e	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	5) 150 to 200.00 mtr						
	1)	1	50.00	—	—	50.00	
	2)	1	50.00	—	—	50.00	
	3)	1	50.00	—	—	50.00	
	4)	1	50.00	—	—	50.00	
						200.00 mtr @	96820=00
	Rate :- 484.10						
	6) 200.00 to 250.00 mtr						
	1)	1	50.00	—	—	50.00	
	2)	1	50.00	—	—	50.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3)	1	50.00	–	–	50.00	
	4)	1	50.00	–	–	50.00	
						200.00 mtr	
	Rate 560.32						112064=00
	7) 250.00 to 300.00 mtr						
	1)	1	48.00	–	–	48.00	
	2)	1	50.00	–	–	50.00	
	3)	1	48.00	–	–	48.00	
	4)	1	49.00	–	–	49.00	
						195	120098.0…
	Rate:- 600.49						
	29/3/14		29/3/14				

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…ne of work .... From…

…ne of Contractor of nature of Agency......................

…e of commencement of work...

…te	Full description, etc, of work	Number
	2	3
	(8) Supplying of ISI mark 175… back ERW casing pipe… resistance continuous w… conforming to IS 1387… welded steel skelp (s… bolt ends threaded c…	
	1) Basavalingappa nagar near police station	1
	2) Kogilu layout	1

MENT BOOK

Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
50.00	—	—	50.00	
50.00	—	—	50.00	
			200.00 mtr	
				112064=00
			48-00	
48-00	—	—	50-00	
50-00	—	—	48-00	
48-00	—	—	49-00	
49-00	—	—	195	120098.00

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 184929

Serial No. .... From .... To ....
Name of work ....
Name of Contractor of nature of Agency..................
Date of commencement of work..................

Date	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(8) Supplying of ISI mark 175 mm nominal above medium back ERW casing pipe of 5mm thick block electrical resistance continuous welded mild steel tube national conforming to IS 1387/1993 and manufactor from hot rounded steel skelp/strips in random length of 4 to 7 mtr bolt ends threaded conforming to IS 554/1985 one end						
	1) Basavalingappa Nagar near police station	1	47	—	—	47-00	
	2) Kogilu lapur	1	48	—	—	48-00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3) Agrahara layout main Road opposite to M.M. apparatu	1	47-	–	–	47.00	
	4) Manchuwara layout Kalligeri halli (Manchuwara temple)	1	48	–	–	48.00	
						188.00 mtr	
							Rs: 256573
	Rate 1364-75						
	(9) Providing and fixing 250 mm dia PVC Pipe and as per specification and dimensions						
	1)	1	5.00	-	–	5.00	
	2)	1	5.00	–	-	5.00	

M. A. R. 57

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...al No. ....

...e of work .... From ....

...e of Contractor of nature of Agency..................................

...e of commencement of work..

...te	Full description, etc, of work 2	Number 3	Len... 4
	3)	1	5
	4)	1	5
	Rate: 1133.00		
	10) 175 mm dia M.S casing ca...		
	1)	1	–
	2)	1	–
	3)	1	–
	Rate 103.00 4)	1	–

NT BOOK

mensions			Contents	Reference to last Measurem
h	Breadth 5	Depth 6	7	8
-	–	–	47.00	
	–	–	48.00	
			188.00 mr	
			Rs=25657	
mm dia PVC Pipe and				
dimentions				
.00	–	–	5.00	
.00	–	–	5.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184930

al No. .....
e of work ..... From ..... To .....
e of Contractor of nature of Agency.....
e of commencement of work.....

e	Full description, etc, of work 2		Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		3)	1	5	–	–	5.00	
		4)	1	5	–	–	5.00	
	Rate:- 1133.00						20.00 mr	
								Rs= 22660.00
	10) 175 mm dia M.S. casing cap							
		1)	1	–	–	–	1	
		2)	1	–	–	–	1	
		3)	1	–	–	–	1	
	Rate 103.00	4)	1	–	–	–	1	
							4.00	Rs. 412.00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurem[ent] 8
11)	M.S. casing Pipe collers		"C" class				
			-	-	-	8	
	1)	8	-	-	-	8	
	2)	8	-	-	-	9	
	3)	9	-	-	-	8	
	4)	8	-			33 No Rs = 5098-50	
Chy 29/3/14	Rate:- 154-50						
12)	Suply and delivery of ~~Bus~~ brand new Texmo/innoual Leebi/ Sabar / Atlantes / calamal / waterman / Radha make suitable HP deep well Submersible pump set suitable for vertical installation in 150 dia						

Signature 29/3/14

Assistant Executive Engineer
[illegible] Sub Division
B.B.M.P. Bangalore

M.

al No. ....

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e of commencement of work...............................

Date	Full description, etc, of work 2	Number 3
	~~Bore~~well compressing close coupled by m[...] HP suitable speed [...] drinking water squirr[...] for operator for 3Ph wilt receives Oce of Pump & motor 15 HP	
	1) Basavalingappanagara ~~Opposite~~ near police quarters	1

(MEASUR)EMENT BOOK

Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
'C' class				
—	—	—	8	
—	—	—	8	
—	—	—	9	
—	—	—	8	
			33 No	
			Rs = 5098-50	

(signature) 29/8/14

(Assi)stant Executive Engineer
(...) Sub Division
B.B.M.P. Bangalore

brand new Texmo/innoual (...)alamal / waterman / Radha (...)well Submersible pump set installation in 150 dia

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 184931

(Ser)ial No. ....

(Na)me of work .... From .... To ....

(Na)me of Contractor of nature of Agency..

(Dat)e of commencement of work..

(Da)te	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	~~Borewell~~ compressing of single stage or multi stage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed rotatory enclosed and fitted with pure drinking water squirrel submersible induction motor suitable for operater for 3Ph 50 Hz 380/440 volts AC supply fitted with required accessories such as Erection completed the pump & motor 15 HP 30 stage						
	1) Basavalingappa nagara ~~(...)~~ near police quarters	1	—	—	—	1	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2)	Kogilu layout (Tirupu nagara	1	—	—	—	1	
3)	Agrahara village main road opposite to M.N. apartment	1	—	—	—	1	
4)	Muneshwara layout Kattigenahalli (Muneshwara temple)	1	—	—	—	1	
						4 No.	
	Rate 75541-17					Rs = 302164.6	
	AE-05						
17)	Providing laying and Jointing G.I. pipes conforming to IS specification of approved make with fitting such as collars bends Elbows tees nipples						

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

M.

...al No. ....

...e of work .... Fr

...e of Contractor of nature of Agency...................

... of commencement of work.................................

Full description, etc, of work 2	Number 3
Plugs with with threa[d] Joints wherever n[ecessary] all lead and lifts the 650mm dia GI Pipe	
1) Basava Lingappa nagar near Police Quarters	44
2) Kogilu layout (Tirupu nagar)	47
3) Agrahara village main road opposite to M.N. apartment	45

ENT BOOK

	Dimensions			Contents	Reference to last Measurem
	gth 4	Breadth 5	Depth 6	7	8
	—	—	—	1	
	—	—	—	1	
	—	—	—	1	
				4 No.	
					Rs = 302164.6

Assistant Executive Engineer
Jayanagara Sub Division
BBMP, Bangalore

...nting G.I. pipes conforming ...oved make with fitting Elbows tees nipples

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184932

...al No. ....

...e of work .... From .... To ....

...e of Contractor of nature of Agency...

...e of commencement of work...

...e	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Plugs with using Threads using white lead and Threads for Joints wherever necessary as per specification including all lead and lifts etc complete (Excluding cost of fittings)						
	650mm dia GI Pipe						
	1) Basava Sangathra nagar near police station	44	6-00	—	—	266-00	
	2) Kogilu layout (Tippu nagar)	47	6-00	—	—	282-00	
	3) Agrahara village main Road Garage to M-N. apartment	45	6-00	—	—	270-00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
	4) Muneshwara layout Kattigenahalli (Muneshwara temple)	48	6	—	—	288	
						1100.00	
	Rate 340.26					Rs: 37428	
	14) Providing and fixing heavy duty collar						
	1)	46	—	—	—	46	
	2)	49	—	—	—	49	
	3)	47	—	—	—	47	

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…rial No. ……………………

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…me of Contractor of nature of Agency……………

…e of commencement of work……………

…te	Full description, etc, of work 2	Numbe… 3
	4)	50
	Rate 159.00	
	AE-05	
	15) Supplying and drawing … cable manufactured … flexible copper conductor…	

...EMENT BOOK

Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
6	–	–	288	
			1100-00	
			Rs: 374280	
...y duty collar				
–	–	–	46	
–	–	–	49	
–	–	–	47	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184933

...al No. ....
...ne of work .... From .... To ....
...ne of Contractor of nature of Agency...
...e of commencement of work...

...te	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	4)	50	–	–	–	50	
						204-00	
	Rate 159-00						Rs= 32436-00
	C/ AE-05						
	15) Supplying and drawing 3 core PVC sheathed submersible pump cable manufactured with Electrolytic grade copper with flexible copper conductor conforming to cable 3 class						

Assistant Executive Engineer
...Sub Division
B.B.M.P. Bangalore

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	5 of IS 8130-1984 and virgin grade PVC installation and sheathed suitable for working voltage upto 1100 volts 4 sq mm 56 strands 0-3 mm dia						
	1)	1	x 588.00	—	—	588.00	
	2)	1 x	624.00	—	—	624.00	
	3)	1 x	600.00	—	—	600.00	
	4)	1 x	636.00	—	—	636.00	
						2448.00	
	Rate 164.29					Rs. 400867.-	

Ajr 25/4/14

[signature] 25/4/14
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Executive Engineer
Byatarayanapura
Mahadevapura Zone
Bangalore

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...ne of Contractor of nature of Agency..............................

...e of commencement of work..............................

...te	Full description, etc, of work 2	Number 3	Le...
	16) Supplying and delivery of ... Son Singes / Adarsh / GK co... Energy meter cum control... 300 mm minimous mechani... Proof the unit have two de... operation on 3 Ph 50Hz —		3...
	Spring loaded latch looki... inside the door single c... Pump for above 6.5 H.P.		

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
– virgin Grade PVC				
Suitable for working				
… mm 56 Strands 0.3 mm dia				
8.00	—	—	588.00	
624.00	—	—	624.00	
600.00	—	—	600.00	
636.00	—	—	636.00	
			2448.00	
			Rs. 400867.-	

25/4/14

…stant Executive Engineer
…Sub Division
B.B.M.P. Bangalore

Executive Engineer … Zone Bangalore

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184934

Serial No. ....

Name of work .... From .... To ....

Name of Contractor of nature of Agency..

Date of commencement of work..

Date	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
16)	Supplying and delivery of lite brand new / Essen / Lotous / Son Singes / Adarsh / GK control belt indigenous make combine Energy meter cum control panel board unit of size 1200x600x 300mm minimum mechanically strong and vermin and water proof the unit have two detachable door - suitable for operation on 3 Ph 50Hz - 380/440 volts AC supply unit spring loaded latch locking with a key ribs should be provided inside the door single unit in the above components suitable for use above 6.5 H.P. to 15 H.P. star delta starter (MR)						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1)	1	—	—	—	1	
	2)	1	—	—	—	1	
	3)	1	—	—	—	1	
	4)	1	—	—	—	1	
						4.00	
	Rate 14800.00					Rs: 59200.00	
	Cyl						
17)	fabricating supply and mounting M.S. box of 16 SWG suitable for pole/wall mounting fully weather proof with provision for better near description providing with hinged front cover Equipped with tamper proof locking arrangement						

M. A. P
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me of Contractor of nature of Agency.....

e of commencement of work.....

ate	Full description, etc, of work	Number
	2	3
	with suitable & be cle	
	with gland and box showe	
	Paint and finally finish	
	Paint etc	
	1)	1 x 1100.00
	2)	1

IT BOOK

...ensions		Contents	Referen... to last Measurem...
Breadth 5	Depth 6	7	8
—	—	1	
—	—	1	
—	—	1	
—	—	1	
		4 nos	
		Rs = 59200	

...g M.S. box of 16 SWG
...nting fully weather
...ter near description
...nal cover Equipped
...ing arrangement

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184935

...al No. ....

...e of work .... From .... To ....

...e of Contractor of nature of Agency..

... of commencement of work...

...e	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	with suitable size clamps with necessary cable Entry pipe with gland and box should be finished 2 coats of Red oxide primer paint and finally finished with approved colour Enamelled metal paint etc						
	1)	1x1100.00x20.00		=	—	22000.00	
	2)	1	1100.00x20.00	—		2200.00.00	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3)	1	1100·00 ×	20·00 ×		22000·00	
	4)	1	1100·00 ×	20·00 ×		22000·00	
						88000·00 Sq.ft	
	Rate:- 0·34						
						Rs= 29920·0	
	Aji (signature)						
	18) Providing and fixing of Clamp for a bore well cap to the pump						
	1)	1	–	–	–	1	
	2)	1	–	–	–	1	

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...ial No. ....

...me of work .... Fr...

...me of Contractor of nature of Agency.................

...e of commencement of work.................................

...te	Full description, etc, of work 2	Numbe... 3
	3)	1
	4)	1
	Aji (signature) / AE-07 Rate 690·00	
	19) Supplying and delivery ... value of size 50 mm ... ents with ISI marke... Pipe line 50 mm dia...	

...NT BOOK

...h	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
...0·00 ×	20·00 ×		22000·00	
...0·00 ×	20·00 ×		22000·00	
			88000·00 Sqft	
			Rs = 29920·0...	
of Clamp for air bore				
—	—	—	1	
—	—	—	1	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184936

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...e of work .... From .... To ....

...e of Contractor of nature of Agency..

...e of commencement of work..

...te	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3)	1	—	—	—	1	
	4)	1	—	—	—	1	
						4 No	Rs = 2760-00
	Qty / AE-05 Rate 690-00						
	(19) Supplying and delivery of brand new best make non return valve of size 50 mm as per IS 778/84 with latest amendments with ISI marke (50 mm gate value for distributor pipe line 50 mm dia complete as per specification						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1)	3	—	—	—	3	
	2)	3	—	—	—	3	
	3)	3	—	—	—	3	
	4)	3	—	—	—	3	
	Rate:- 1696					12 no	20352.
20)	Aju AE-05 Supplying and delivery of brand new best make Gat valve of size 50mm as per IS 778/84 with latest amendments with ISI marke 50mm Gate valve for distributing pipeline 50mm dia						

Assistant Executive Engineer
[illegible] Sub Division
B.B.M.P. Bangalore

M. A. R
Meas

…al No. ....
…e of work .... From ...
…e of Contractor of nature of Agency..............................
… of commencement of work..............................

…e	Full description, etc, of work 2	Number 3
	1)	4
	2)	2
	3)	3
	4)	3
	Aju AE-05 Rate 1213	
21)	Providing and fixing of 5…	
	Rate:- 232.14	3x4

...UREMENT BOOK

...mber 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
3	–	–	–	3	
3	–	–	–	3	
3	–	–	–	3	
3	–	–	–	3	
				12.00	20352

Assistant Executive Engineer
...Sub Division
B.B.M.P. Bangalore

...m of brand new best make Ga...
...as for IS 778/84 with
...with ISI make 50 mm Gate
...ing pipe line 50 mm dia

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184937

No. ....
...of work .... From .... To ....
...of Contractor of nature of Agency...
...of commencement of work...

Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1)	4	–	–	–	4	
2)	2	–	–	–	2	
3)	3	–	–	–	3	
4)	3	–	–	–	3	
AE-05 Rate 1213					12.00	Rs=14556.00
...) Providing and fixing of 50 mm MI bend to motor						
Rate:-232.14	3x4	–	–	–	12-00 nos	Rs=2785.68

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
22)	Providing and fixing of 50 mm GI pipe to motor Rate 110.56	3×4	–	–	–	12	Rs= 1326.7
23)	Providing and fixing of 50 mm G.I. union to the motor Rate 110.56 237.12	3×4	–	–	–	12	2845.00 Rs=1326.00
24)	labour charges for Gd cancellation Rate:-400	1×4	–	–	–	4	Rs- 1600.00

Ajit AB-05

M.

...al No. ....

...e of work .... Fr

...e of Contractor of nature of Agency...............

... of commencement of work.................................

...e	Full description, etc, of work 2	Numbe... 3
25)	labour charges for pump set along new submersible p... since the department should be handed transportation Rate: 90.64	4×5

Ajit AB-05

...REMENT BOOK

...er	Dimensions Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
...xing	of 50 mm	HI pipe to			
...	—	—	—	12	Rs=1326.00
... of 50 mm HI. union to					
4	—	—	—	12	2845.00 Rs=1326.00
...d cancellation					
4	—	—	—	4	Rs-1600.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184938

...al No. ....

...e of work .... From .... To ....

...e of Contractor of nature of Agency..

... of commencement of work...

...e	Full description, etc, of work 2	Number 3	Dimensions Length 4	 Breadth 5	 Depth 6	Contents 7	Reference to last Measurement 8
25)	Labour charges for Erection of new/repaired Submersible pump set along with HI pipes (32/50 mm) cable new submersible pump set if received will be supplied by the department free of cost and released pump set should be handed over to department) including transportation						
		4x51	—	—	—	204 lengths	
	Rate: 90.64						18490.56
	Ajit AEE(S)						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
26)	Erection of combined Panel board meter board with all necessary materials and labour Including providing cc 1:3:6 foundation bed Complete for basement out door type						
	Rate:475	1x4	–			4.00	Rs-1900.00
	[signature] 15/5/14 AE-05		[signature] 15/5/14 Assistant Executive Engineer [illegible] Sub Division Byatarayanapura [illegible] B.B.M.P. [illegible]				
27)	Supplying and fixing miniature circuit breaker/isolator in existing MCB distribution boards with necessary fixing materials and wiring complete as required						

...ial No. ....

...me of work ....

...me of Contractor of nature of Agency..........

...e of commencement of work..........................

...te	Full description, etc, of work 2	
		1x
	Rate 906-...	
	[signature] AE-05	
28)	Supplying and lay... conductor PVC ... sleeve tape around... clean 4 core 16 Sq...	

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...ne board meter board ...terials and labour ...c 1:3:6 foundation bed ... out door type				
–	–	–	4.00	
				Rs 1900.00
...miniature circuit breaker/isolator ...ction boards wiring necessary fixing ... conduit as required				

Assistant Executive Engineer
... Sub Division
...yatarayanapura ...galore
B.B.M.P.
15/5/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184939

Serial No. ....

Name of work .... From .... To ....

Name of Contractor of nature of Agency..

Date of commencement of work..

Date	Full description, etc, of work	Dimensions Number	Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
		1x4	–	–	–	4 No	
	Rate 906.4						Rs 3625.60
	AE-05						
28)	Supplying and laying of LT UG cable having aluminium conductor PVC insulated shielded galvanised steel wire / steel tape armoured cable with PVC outer sheathing 1.1 KV 3½ core 16 sq mm cable etc complete						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1)		1	25-00	–	–	25-00	
2)		1	27-00	-	–	27-00	
3)		1	23-00	-	–	23-00	
4)		1	25-00	–	–	25-00	
						100-00 m	
	Chy AE-05 Rate 169.95					@ = 16995.0	
29)	Digging of trenches of 0-6 m × 0-30 wide wide Refilling the trenches to the required ground level and consolidating the complete existing road surface the complete						
	1)	1	25	–	–	25	

...ial No. ....

...ne of work ....

...ne of Contractor of nature of Agency......

...e of commencement of work......

...te	Full description, etc, of work 2
	2)
	3)
	4)
	Rate. 56.65
	Chy AE-05
30)	Supplying and fix... crossing with ... cable of 1.1 KV ...

SUREMENT BOOK

	Dimensions				
Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Refer[...] to la[...] Measur[...] 8
1	25-00	–	–	25-00	
1	27-00	-	–	27-00	
1	23-00	-	–	23-00	
1	25-00	–	–	25-00	
				100-00 m	
				Rs = 16995	

[...]s of 0-6 mm x 0.30 wide
[...] matches to the required ground
[...]lidating the completed
[...]face the complete

1	25	–	–	25	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184940

No. ....
of work .... From .... To ....
of Contractor of nature of Agency..
of commencement of work..

Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
2)	1	27	–	–	27	
3)	1	23	–	–	23	
4)	1	25	–	–	25	
					100-00 m	
Rate. 56-65					Rs = 5665-00	
[signature] AE-05						
30) Supplying and fixing class A GI pipe on pole/wall/drain crossing with necessary clamping arrangement for UG cable of 1.1 KV class 40 mm etc complete						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	R	1 ×	3.00	–	–	3-00	
		1 ×	3-00	–	–	3-00	
	Rate:- 294-58	1 ×	3-00	–	–	3-00	R = 3534
	AE-05 2015/14	1 ×	3-00	–	–	3-00	
						12-00 mr	
	31) Supplying and fixing wiring Earth Electrode for grounding conductors ic cutouts and other Equipments on the meter board using 40 mm dia 2-90 mm thick GI pipe 2-5 mtr long buried in a pit (the pit should be filled with equal proportion of salt and charcoal 150 mm around the pipe to complete depth the connection from the pipe to the conduit etc is to be established through GI wire of size as per ISI specification the pipe shall have 16 through holes of 12 mm dia						

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...al No. ....

...e of work .... From

...e of Contractor of nature of Agency.............

... of commencement of work.............................

...e	Full description, etc, of work 2	Number 3
	1)	1
	2)	1
	3)	1
	4)	1
	Rate 1699-50	
	AE-05	
	32) Supplying and fixing LT ... Class 16 sq mm ug cable of ...	

SUREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1 ×	3.00	—	—	3-00	
1 ×	3-00	—	—	3-00	
1 ×	3-00	—	—	3-00	Rs = 353
1 ×	3-00	—	—	3-00	
				12-00 mr	

...g wiring Earth Electrode
...ules ic cutoours and other Eacee? ment
...g 40 mm dia 2-90 mm thick GI pipe
...in a pit (the pit should be filled with
... and charcoal 150 mm around
...ke the connection from the pipe
...to be established through GI wire of
...calion the pipe shall have
... mm dia

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184941

No. ....
of work .... From .... To ....
of Contractor of nature of Agency..
f commencement of work...

Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
1)	1	—	—	—	1	
2)	1	—	—	—	1	
3)	1	—	—	—	1	
4)	1	—	—	—	1	
Rate 1699-50					4 No	Rs = 6798-00

Sd/- AE-05

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore
Sd/- 20/5/14

2) Supplying and fixing LT cable iron pot heads suitable for 1.1 KV class 16 Sq mm UG cable filled with necessary bitumen / insulating

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compound Complete with terminals clamps bolts nuts and washers etc						
	1)	1	—	—	—	1	
	2)	1	—	—	—	1	
	3)	1	—	—	—	1	
	4)	1	—	—	—	1	
						4No	
	Rate:-271.92					Rs 1087.68	
	Qty AE-05						
33)	Supplying shunt capacitors confirming to IS 2834-1986 400/440 volts grade for power factor improvement						

e	Full description, etc, of work						
	2						
	of Rotating machinery						
	Rate:- 135						
	Rs 1087.68) providing and fixing						
	Specification of approv						
	and fitt etc com						

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
minals	clamps	bolts nuts		
—	—	—	1	
—	—	—	1	
—	—	—	1	
—	—	—	1	
			4 No	
				Rs 1087.68

r's confirming to IS 2834.3 that
for power factor improvement

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184942

...ial No. ....
...me of work .... From .... To ....
...me of Contractor of nature of Agency..
...e of commencement of work..

...te	Full description, etc, of work 2	Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	of loading machinery capacitor in KVAR Rating					No's (Nos)	
		1×4	—	—	—	4 No	
	Rate:- 1350.00						
							Rs = 5400.00
34)	providing and fixing gun metal gate valve confirming to CS Specification of approved make as per direction including all lead and lift etc complete 50 mm dia						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1)	3	—	—	—	3	
	2)	3	—	—	—	3	
	3)	3	—	—	—	3	
	4)	3	—	—	—	3	
						12 No	
						As= 18189.6	
	Rate 1515-80 Cj AE-05 35) Supplying and fixing of prelaminated wood board made of not less than 15 mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall ceiling ~~[illegible]~~ tapered inverted wooden plug screws the size 20×20×25 inches						

rial No. ....

me of work .... F

me of Contractor of nature of Agency..............

te of commencement of work...............................

ate	Full description, etc, of work	Numb
	2	3
		1×4
	Cj AE-05 Rate:- 311. 36) Earthwork excavation Sanitary lines and electri 1.5 m in depth including Trenches stacking the built lead upto 50 m off	

REMENT BOOK

	Dimensions				
r	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	—	—	—	3	
	—	—	—	3	
	—	—	—	3	
	—	—	—	3	
				12 No	

Rs: 18189-6

...d wood board made of not less than
...sides with planes made out on
...fixing the same to wall ceiling
...wooden plug screws the size
...es

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184943

...al No. ....

...me of work .... From .... To ....

...me of Contractor of nature of Agency..

...e of commencement of work...

...te	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1×4	—	—	—	4 No	
	07" AE-05 Rate:- 311.58						1246-32
	36) Earthwork excavation for foundation of building water supply Sanitary lines and electrical conduits either in pits or in trenches 1.5 m in depth including dressing the bottom and sides of pits and Trenches stacking the excavated soil clear from edges of excavation with lead up to 50 m after breaking of clods conflict as per specification						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	After pre measurement recorded vide page No					396.00 cum	
	Rate 223-66						Rs= 88569.[illegible]
	37) Providing and installing at site of work 63 mm (0-662) PVC pipes of 6kg/cm² including cost of pipes and specials and labour including lowering into trenches laying true to line level and perfect linking at joint leak proof including jointing of approved type with all labour and lift charges handling charges including						

M.

...rial No. ....

...me of work .... Fr...

...me of Contractor of nature of Agency.....................

...e of commencement of work.......................................

...te	Full description, etc, of work	Numbe...
	2	3
	Excavating the pipe alignment... or selected earth... As per pre-measurement of this...	
	Obj 31/5/14 AG-05 Rate 352.98	
	38) Refilling available earth... exceeding 20cms in ... ramming after watering...	

NT BOOK

...ensions				
Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8	

...rded vide page No

396.00 cum

Rs= 88569...

...site of work 63 mm (0-662)

...g cost of pipes and specials

...ing into trenches laying

... linking at joint leak

...f approved type with all

...andling charges including

M. A. R. 57 (Rule 116)

Measurement Book

No. B 184944

...ial No. ....

...me of work .... From .... To ....

...me of Contractor of nature of Agency...

...e of commencement of work...

Date	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

Encasing the pipe all round to a depth not less than 15 cms with gravels or selected earth available from the Excavation site complete

As per pre-measurement recorded vide page No. of this MB

880.00 mtr

Rs= 310622.00

Oji 31/5/14 AG-05 Rate 352.98

Assistant Executive Engineer
...yanapura Sub Division
B.B.M.P. Bengaluru

38) Refilling available earth around pipe lines: cables in layers not exceeding 20cms in depth compacting each deposited layer by ramming after watering with lead upto 50 m and lift upto

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1.5 m including cost of all labour complete as per specification						
	Quantity vide item no (36)					396.00 m³	
	Rate :- 59.36					Rs= 23506.51	
	(signed) 31/5/14 AE-05 (signed) 31/5/14						
	Bescom charges						
	(a) application fees	4 (2) × 100.00				Rs= 400 (200)	
(b)	Bescom deposit charge	2 × 4800.00				Rs= 9600	
(c)	meter charge	3 (2) × 2444.00				Rs= 7332.00 (4888=)	

rial No. ....

me of work ....

me of Contractor of nature of Agency..............................

te of commencement of work..............................

ate	Full description, etc, of work 2	Numb 3
	(d) contractor charges	3
	add 10% KRIDL cha	
	add 1% labour welfa	
	(signed) 31/5/14 AE-05	
	ಸಹಾಯಕ ಅಭಿಯಂತರರು	
	ಬಿ.ಬಿ.ಎಂ.ಪಿ ... ಉಪ ವಿಭಾಗ	
	certified that the	

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
Labour complex as per specification				
item no (36)			396.00 m³	
36				Rs= 23506.5
x 100-00				Rs= 400
x 4800-00				Rs= 9600
x 2444-00				Rs= 7332-00
				4885=

31/5/14

M. A. R. 57 (Rule 116)
Measurement Book

No. B 184945

...al No. ....
...e of work .... From .... To ....
...e of Contractor of nature of Agency..
... of commencement of work...

Full description, etc, of work 2	Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(d) contractor charges	3 x 5000-00					15000-00
					Totals =	26,61556-00 2651195=
add 10% KRIDL charge - - - - - -					Rs	266155-00
add 1% Labour welfare cess - - -					Rs -	26,615-00 291691=
					Grand total = Rs	2954327-00 2942826=00

31/5/14
AE 31/5/14
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬ.ಬ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Certified that the above work done Satisfactory

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure...
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) This bill Amount has not been claimed in any of previous bill						
	31/5/14 ಸಹಾಯಕ ಅಭಿಯಂತರರು AE-05 ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ	31/5/14 Assistant Executive Engineer Byatarayanapura Sub Division B.B.M.P. Bangalore					

...al No. ....

...e of work ....

...e of Contractor of nature of Agency..............

...of commencement of work..............

...e	Full description, etc, of work	Nu...
	2	
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 29... ಗಳಿಗೆ ಪಾಸು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ. 4... ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊ... ರೂ. 25,42,301=00 ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ. ಬೆಂ. ಮ. ಪಾ.	